

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042658.D
 Acq On : 1 Sep 2019 7:54
 Operator : HP/JU
 Sample : K4601-21
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 08:01:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	34732	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	128379	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	92063	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	220946	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	254024	20.00	ng	-0.01
87) Perylene-d12	24.92	264	288637	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	240114	140.02	ng	-0.01
7) Phenol-d6	7.16	99	281492	121.52	ng	-0.01
23) Nitrobenzene-d5	9.16	82	201524	108.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	202903	155.06	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	648683	119.17	ng	-0.01
79) Terphenyl-d14	20.02	244	1302361	110.84	ng	0.00

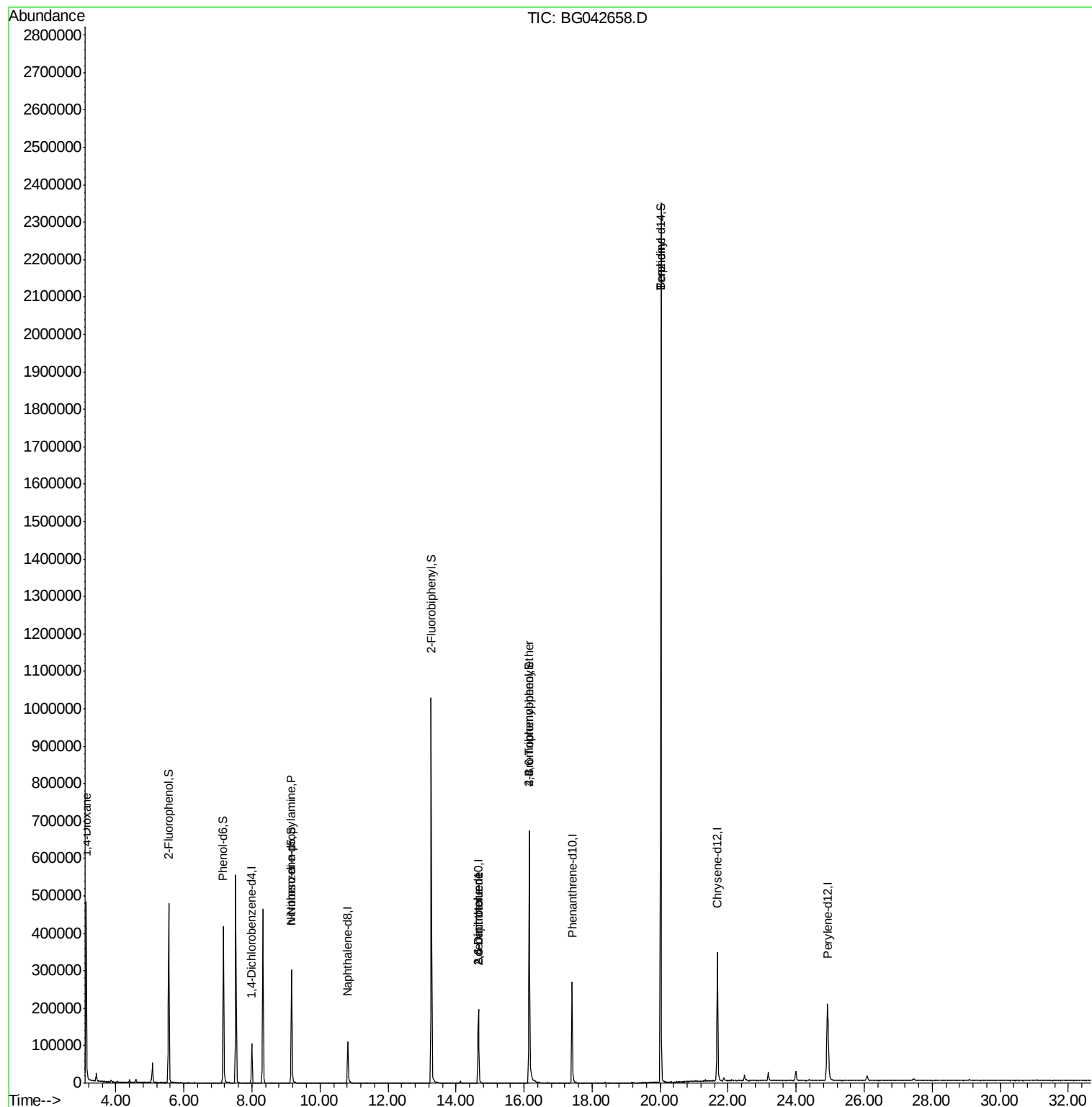
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	4756	6.646	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	26464	17.634	ng	# 76
51) 2,6-Dinitrotoluene	14.65	165	12107	7.863	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	12107	5.491	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13566	4.841	ng	# 1
77) Benzidine	20.02	184	16345	2.244	ng	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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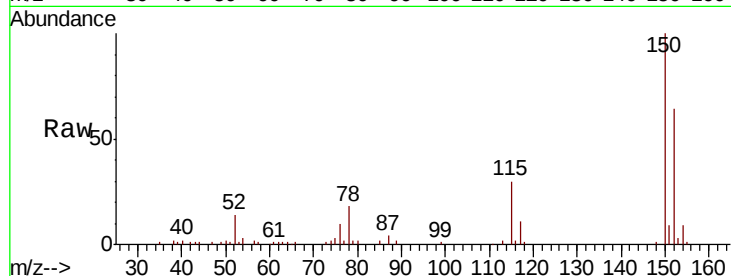


#1

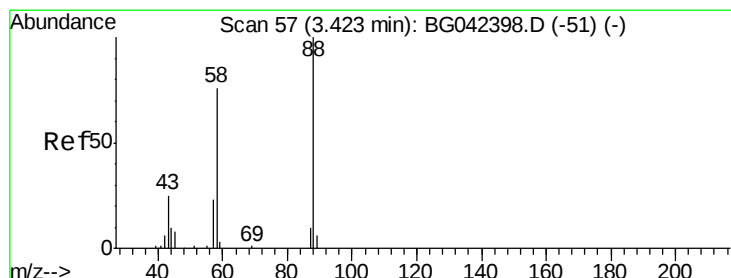
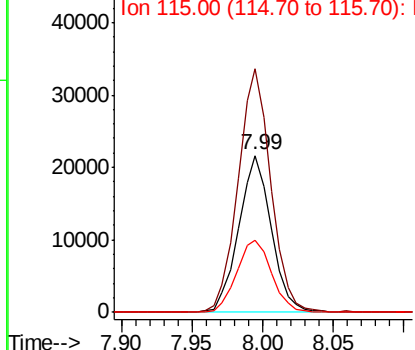
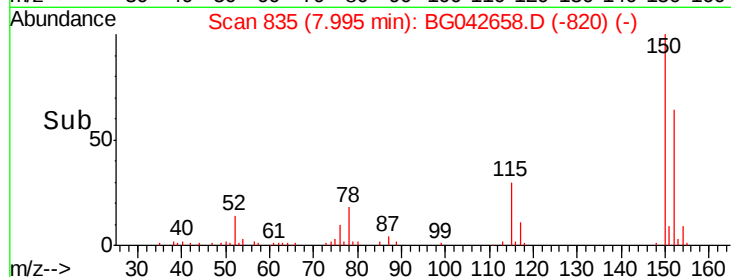
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042658.D
Acq: 1 Sep 2019 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34732
Ion Ratio Lower Upper
152 100
150 155.5 125.4 188.0
115 46.1 38.5 57.7



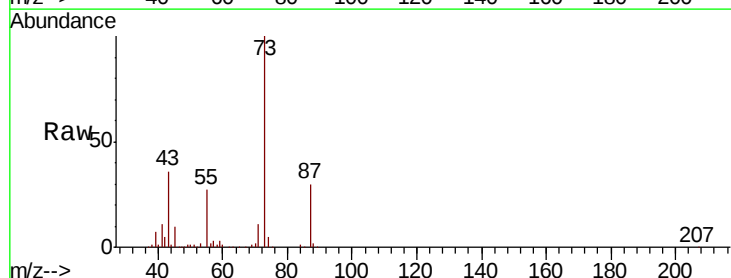
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



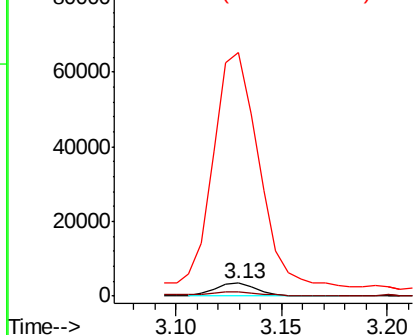
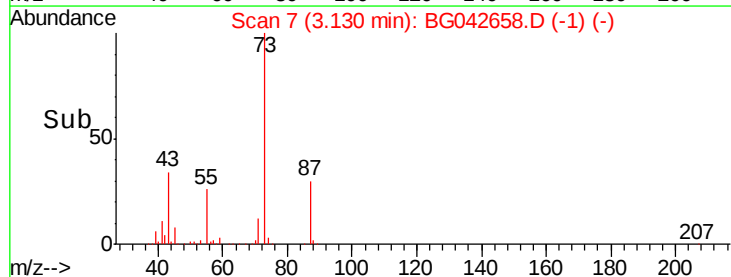
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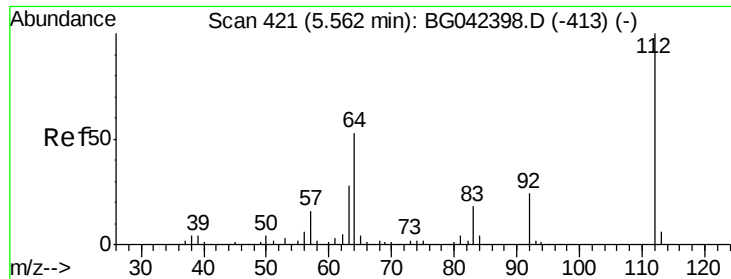
1,4-Dioxane
Concen: 6.646 ng
RT: 3.13 min Scan# 7
Delta R.T. -0.29 min
Lab File: BG042658.D
Acq: 1 Sep 2019 7:54

Tgt Ion: 88 Resp: 4756
Ion Ratio Lower Upper
88 100
58 29.7 58.3 87.5#
43 2032.0 20.2 30.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 140.015 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG042658.D

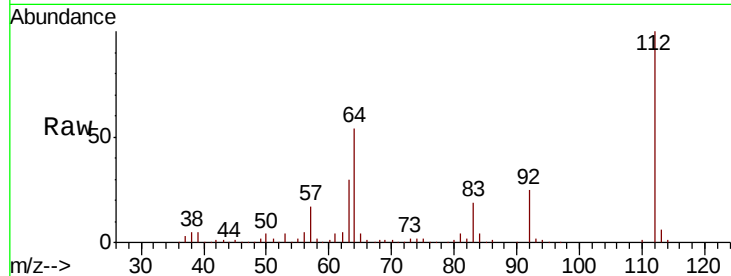
Acq: 1 Sep 2019 7:54

Instrument :

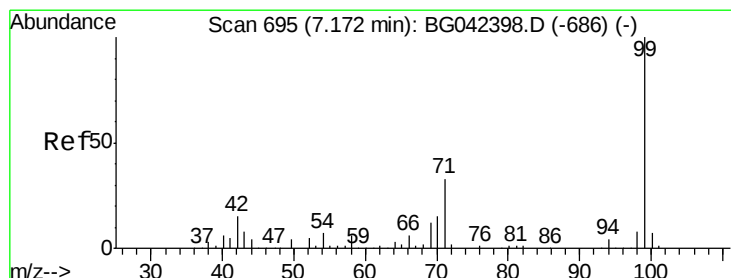
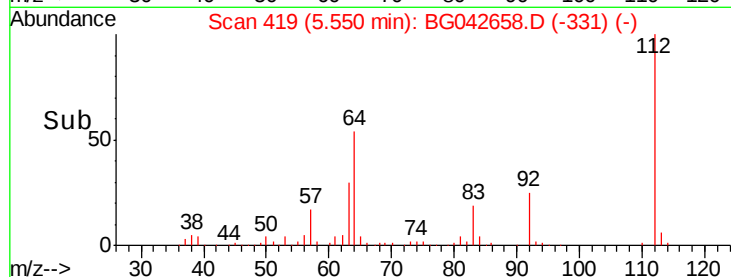
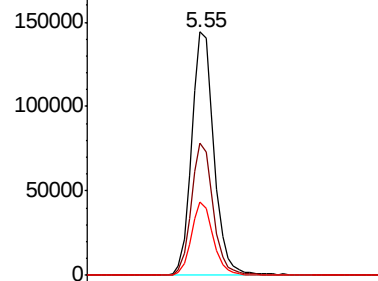
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	240114
Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.8	64.2
63	30.1	22.7	34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 121.518 ng

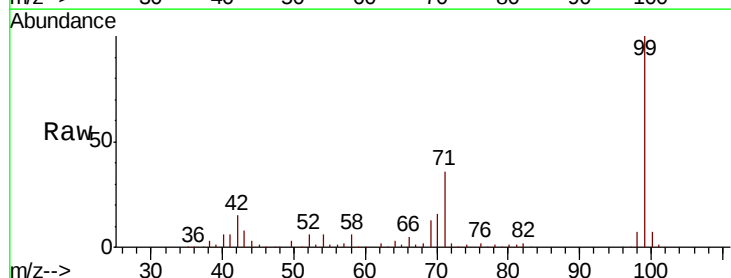
RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

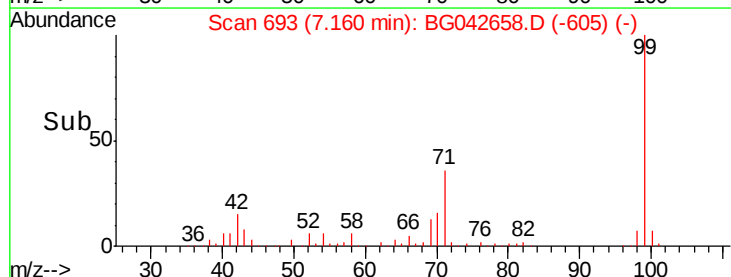
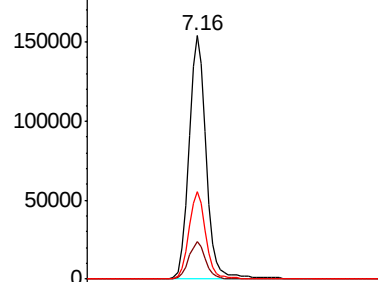
Lab File: BG042658.D

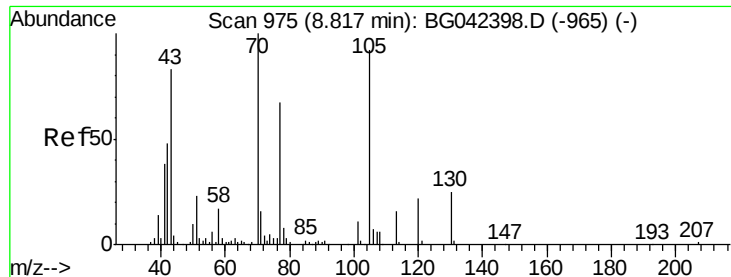
Acq: 1 Sep 2019 7:54

Tgt Ion:	99	Resp:	281492
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.0	18.0
71	36.0	26.3	39.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC

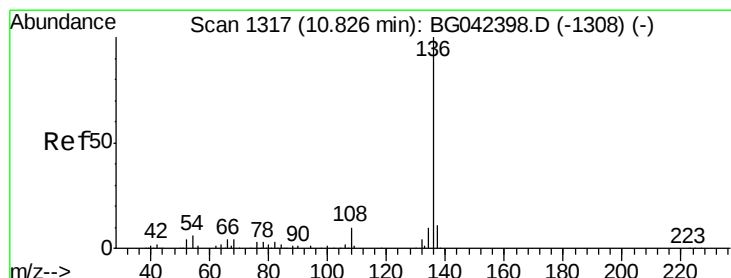
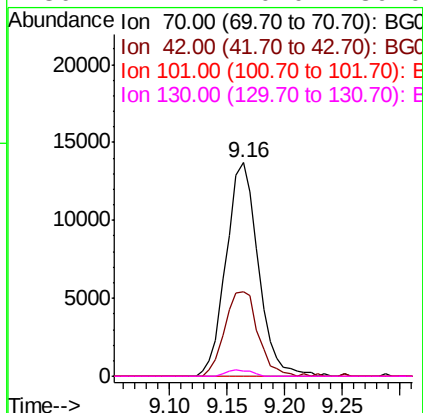
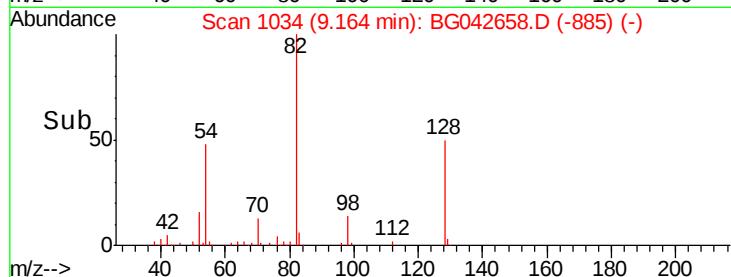
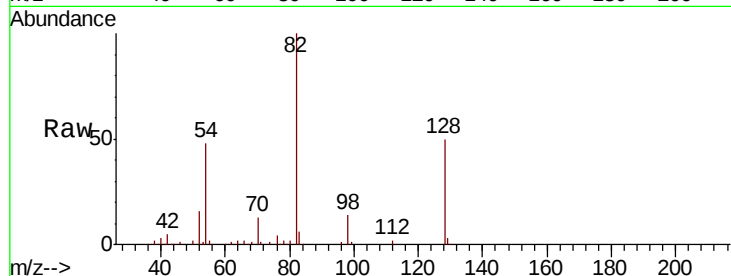




#19
n-Nitroso-di-n-propylamine
Concen: 17.634 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042658.D
Acq: 1 Sep 2019 7:54

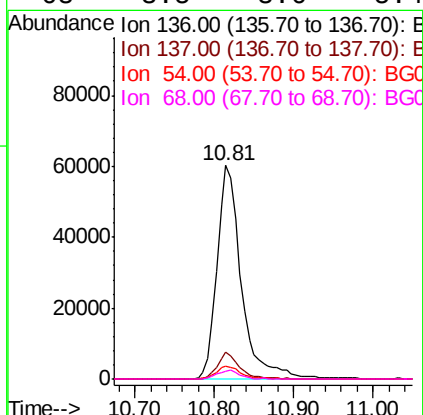
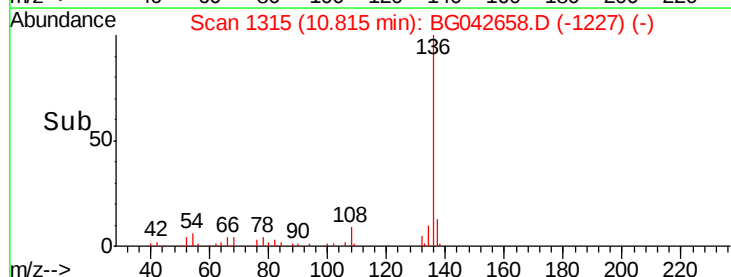
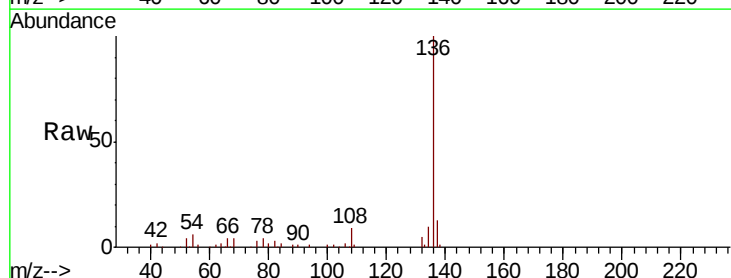
Instrument :
BNA_G
ClientSampled :

Tot Ion: 70 Resp: 26464
Ion Ratio Lower Upper
70 100
42 39.8 38.8 58.2
101 0.0 9.0 13.6#
130 2.7 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042658.D
Acq: 1 Sep 2019 7:54

Tgt Ion: 136 Resp: 128379
Ion Ratio Lower Upper
136 100
137 12.6 8.7 13.1
54 5.8 4.9 7.3
68 3.5 3.6 5.4#

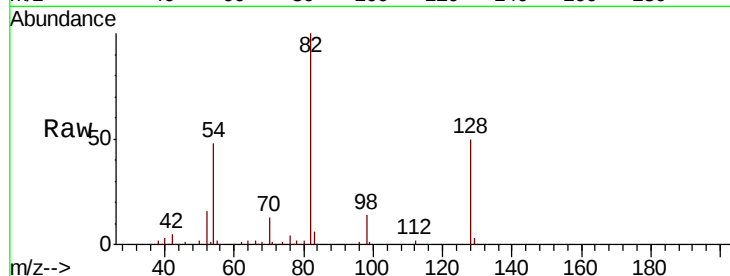




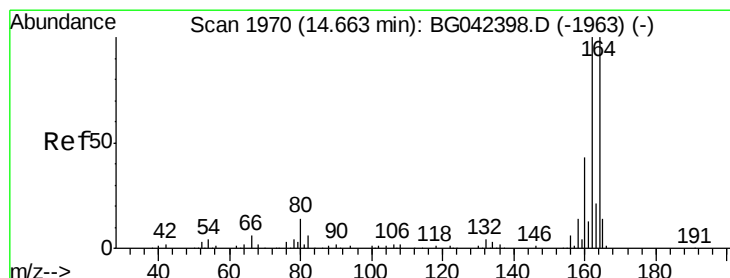
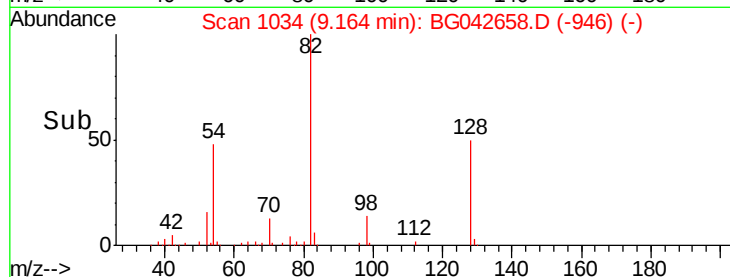
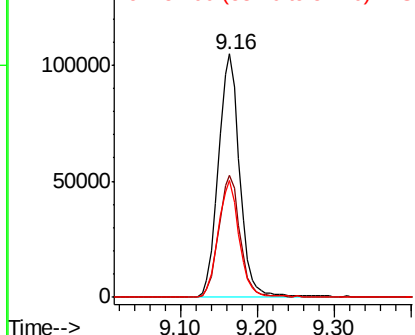
#23
Nitrobenzene-d5
Concen: 108.477 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042658.D
Acq: 1 Sep 2019 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 201524
Ion Ratio Lower Upper
82 100
128 50.0 40.7 61.1
54 48.1 36.3 54.5

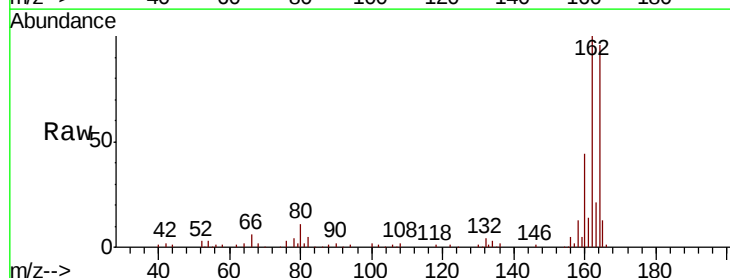


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

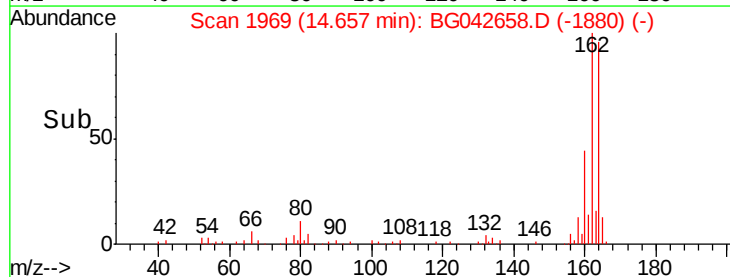
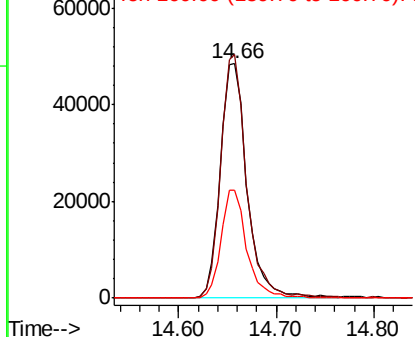


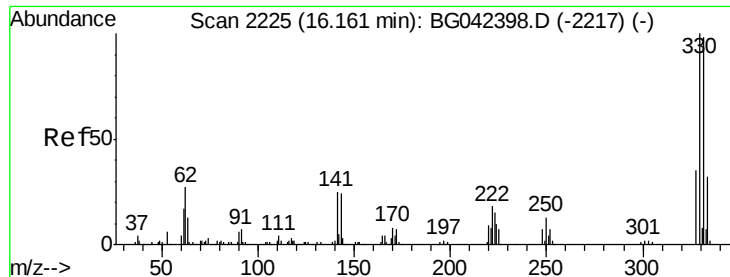
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042658.D
Acq: 1 Sep 2019 7:54

Tgt Ion:164 Resp: 92063
Ion Ratio Lower Upper
164 100
162 103.9 79.9 119.9
160 46.1 34.3 51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

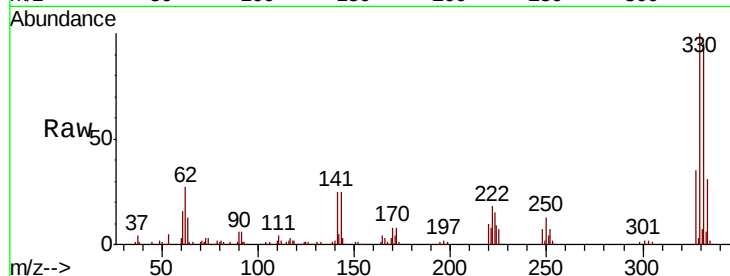




#42
 2,4,6-Tribromophenol
 Concen: 155.062 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042658.D
 Acq: 1 Sep 2019 7:54

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	26.4	21.4	32.0

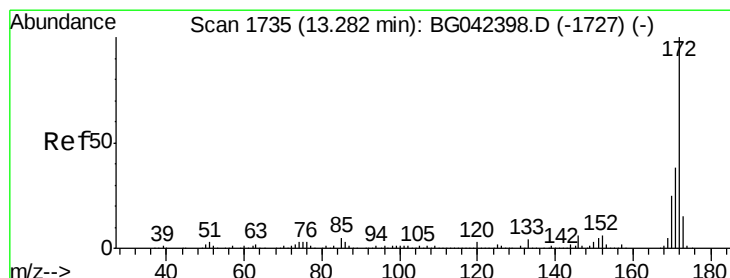
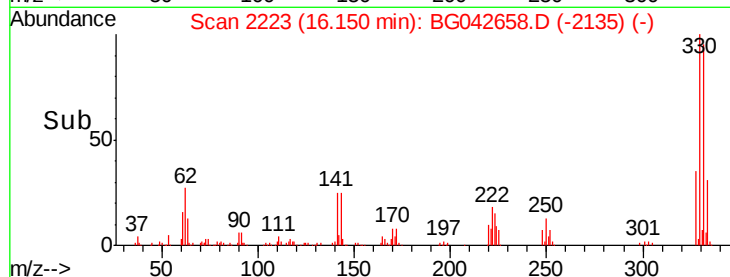
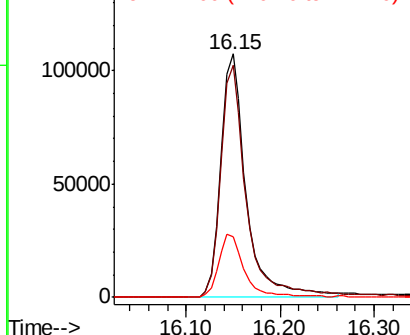


Abundance

Ion 329.80 (329.50 to 330.50): E

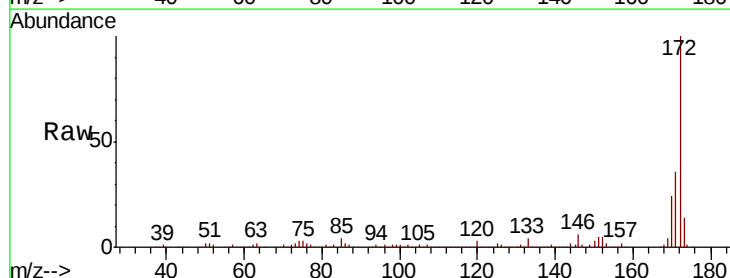
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 119.169 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042658.D
 Acq: 1 Sep 2019 7:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.7
170	24.3	20.2	30.2

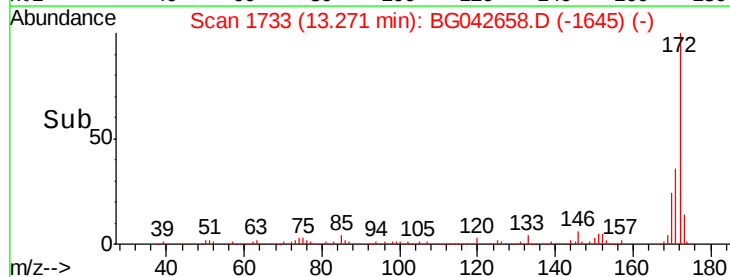
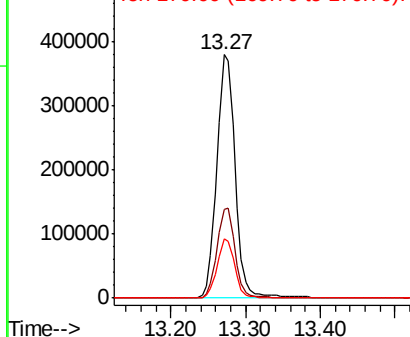


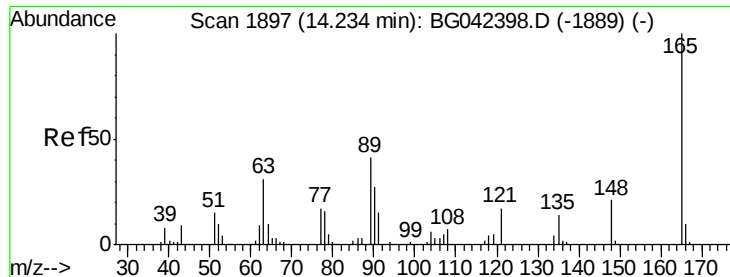
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

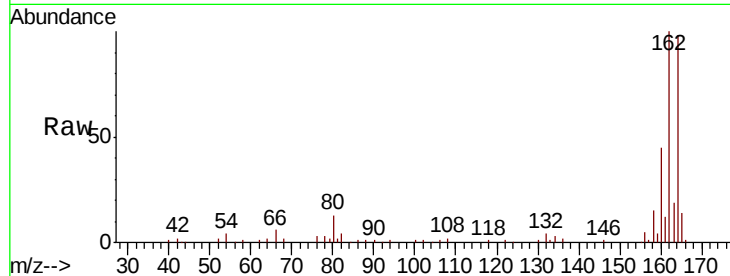




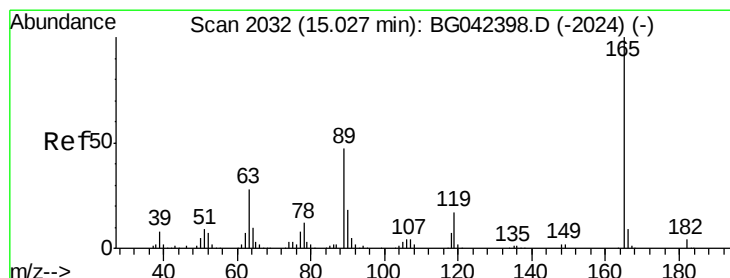
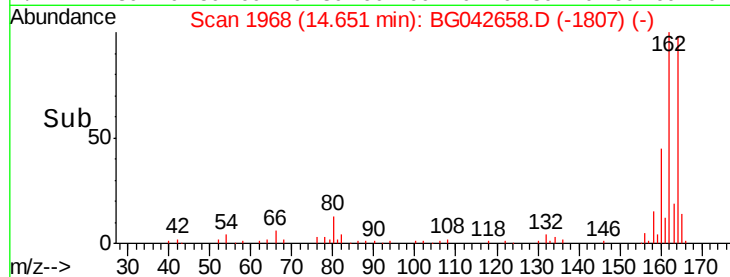
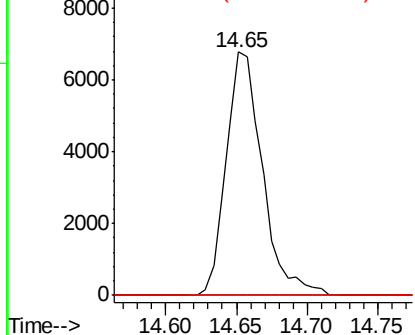
#51
 2,6-Dinitrotoluene
 Concen: 7.863 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042658.D
 Acq: 1 Sep 2019 7:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



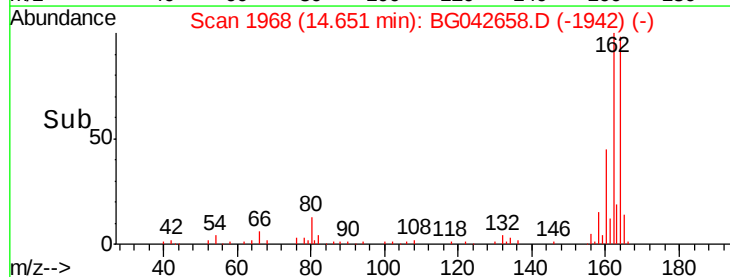
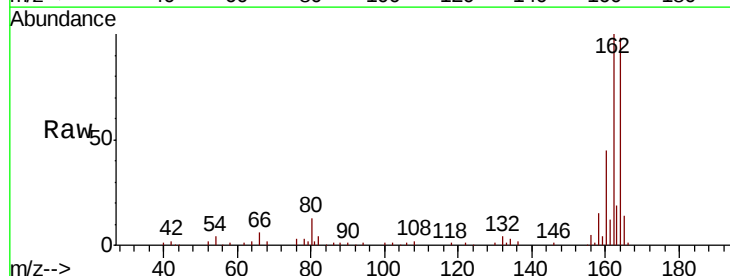
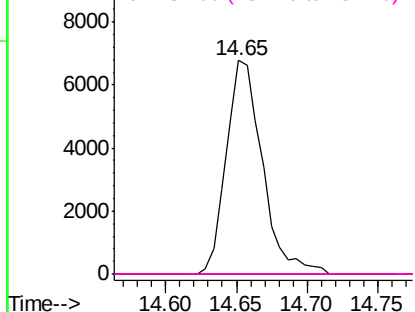
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.491 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG042658.D
 Acq: 1 Sep 2019 7:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

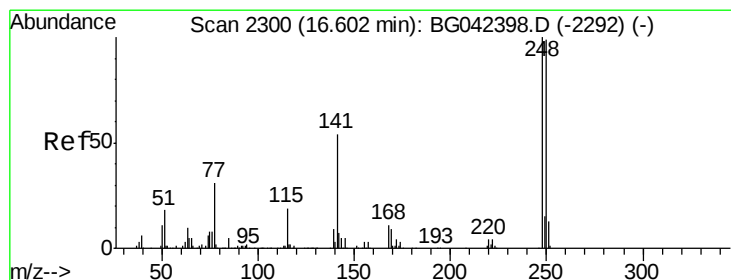
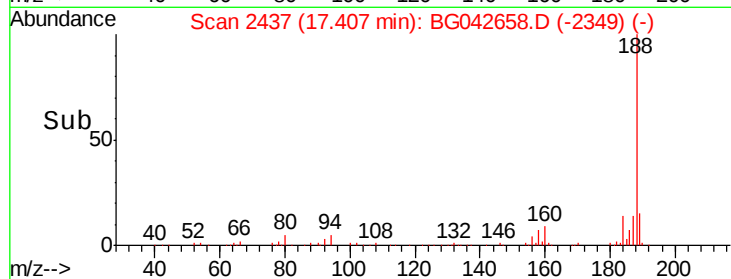
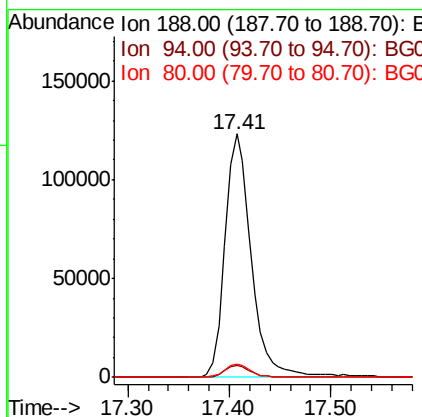
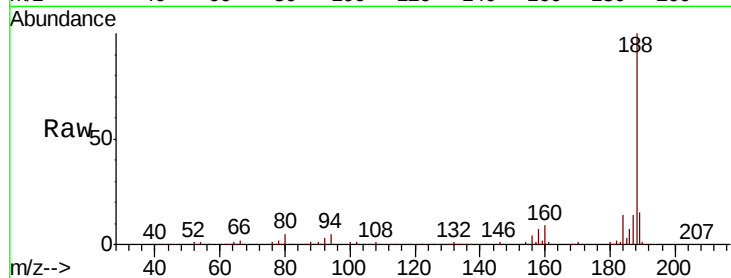




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042658.D
 Acq: 1 Sep 2019 7:54

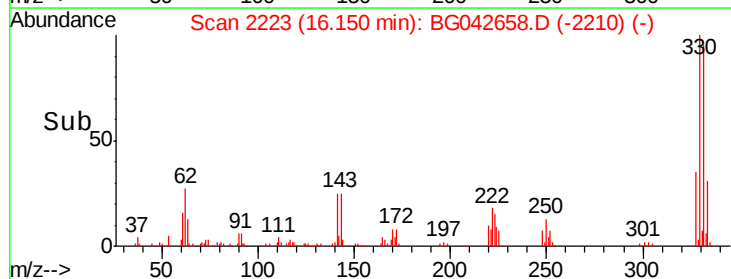
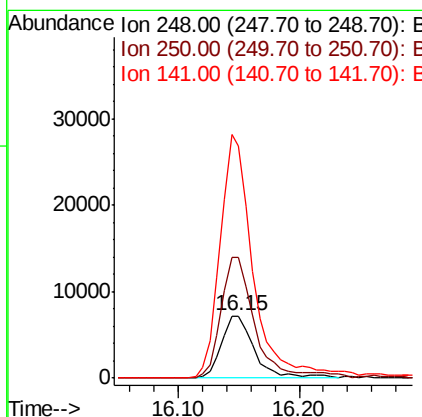
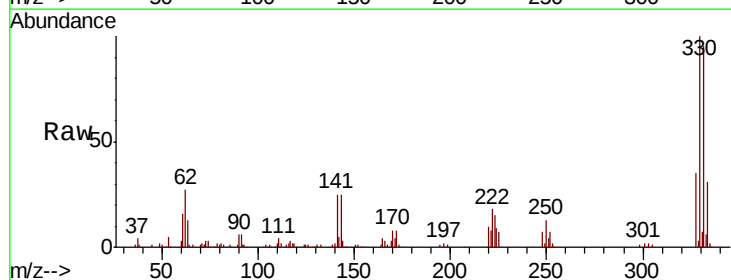
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 220946
 Ion Ratio Lower Upper
 188 100
 94 4.8 4.5 6.7
 80 5.4 4.9 7.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.841 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042658.D
 Acq: 1 Sep 2019 7:54

Tgt Ion:248 Resp: 13566
 Ion Ratio Lower Upper
 248 100
 250 194.0 78.9 118.3#
 141 371.2 43.3 64.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042658.D

Acq: 1 Sep 2019 7:54

Instrument :

BNA_G

ClientSampleId :

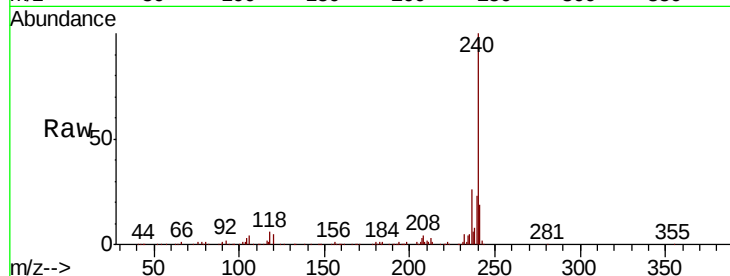
Tot Ion:240 Resp: 254024

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

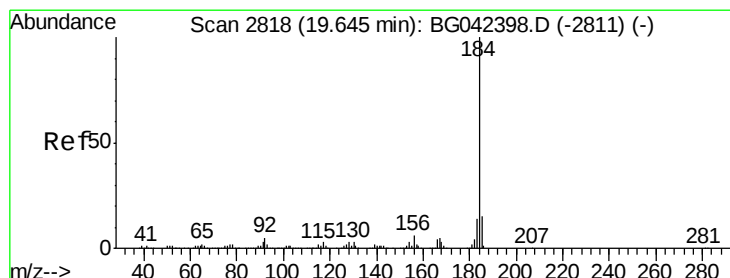
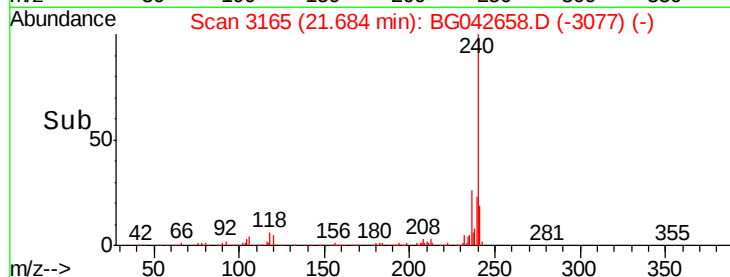
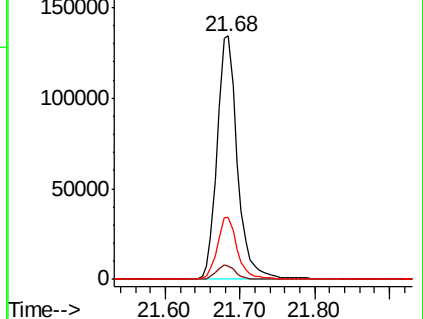
236 25.6 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.244 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042658.D

Acq: 1 Sep 2019 7:54

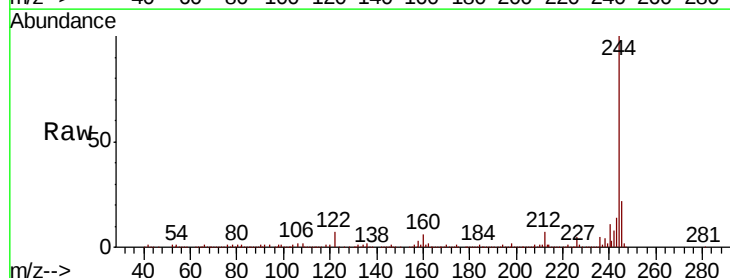
Tgt Ion:184 Resp: 16345

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.4

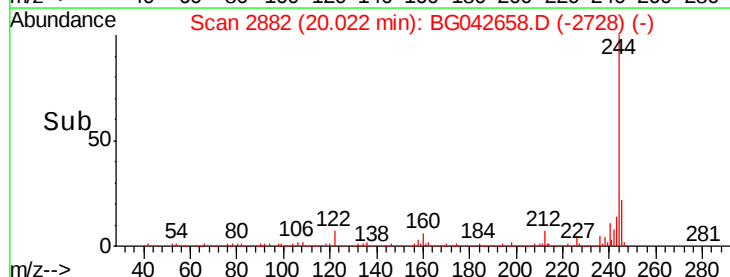
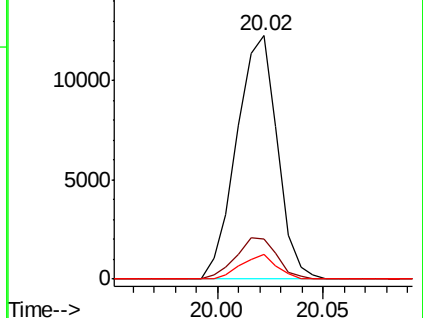
183 10.1 10.8 16.2#

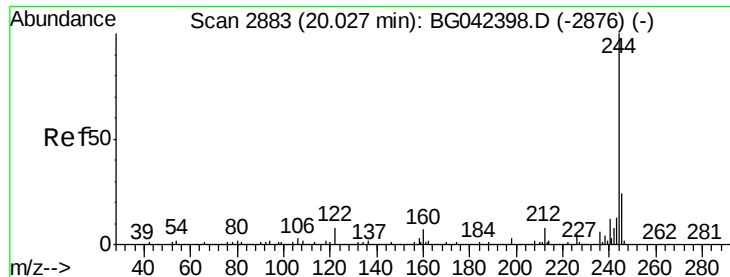


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 110.840 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042658.D

Acq: 1 Sep 2019 7:54

Instrument :

BNA_G

ClientSampleId :

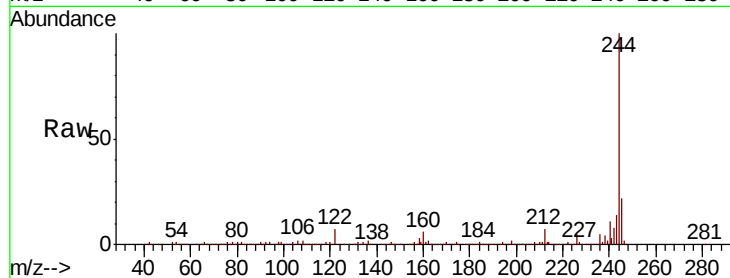
Tot Ion:244 Resp: 1302361

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

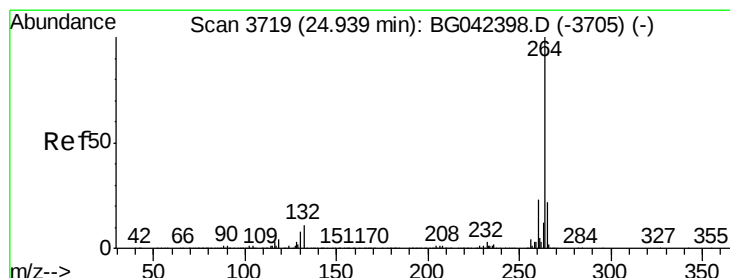
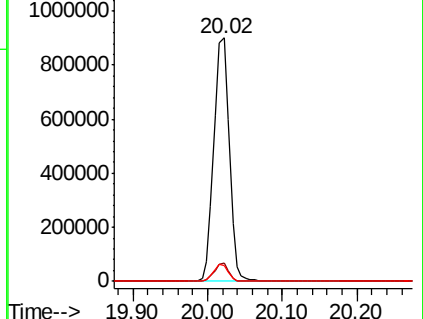
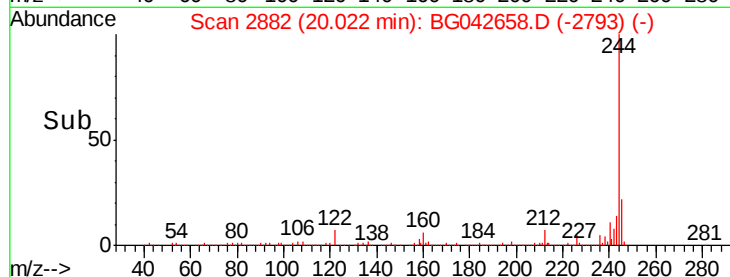
122 6.7 6.7 10.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042658.D

Acq: 1 Sep 2019 7:54

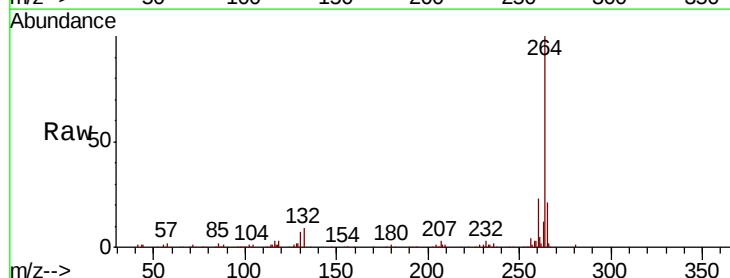
Tgt Ion:264 Resp: 288637

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 21.4 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

